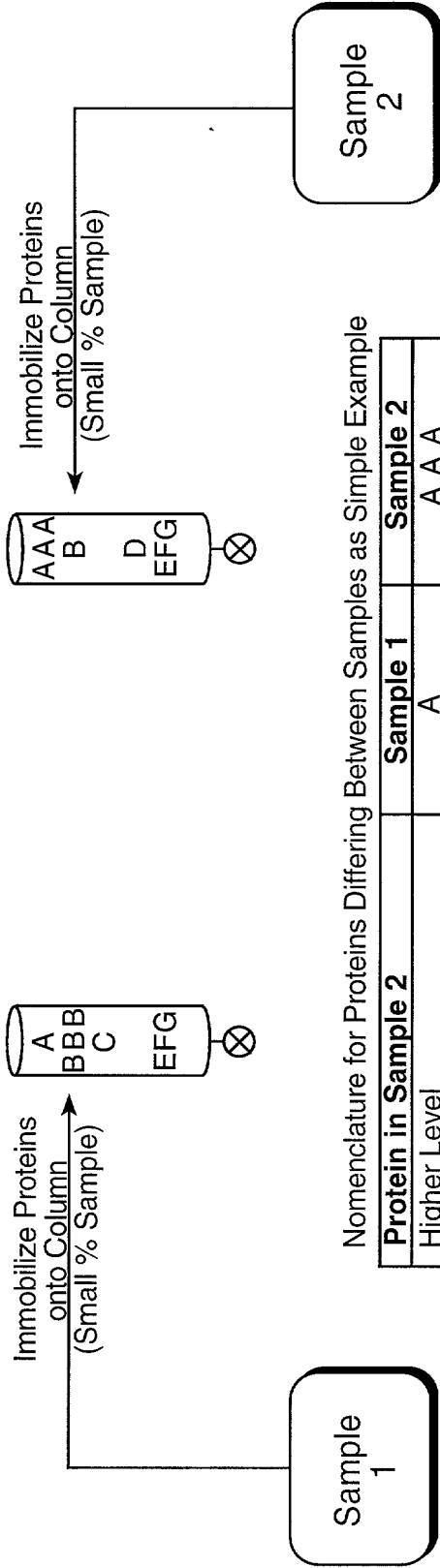


FIG. 1

Preparation of Protein Affinity Matrices



Nomenclature for Proteins Differing Between Samples as Simple Example

Protein in Sample 2	Sample 1	Sample 2
Higher Level	A	A A A
Lower Level	B B B	B
Not Present	C	None
Novel Species	None	D
Same Level	E F G	E F G
Not Present in Either Sample	H I J Absent	H I J Absent

Upper Case Letter is Protein, eg "A"

Lower Case Letter is Phage which binds to corresponding protein, eg "a"

FIG. 2

Capture Step One

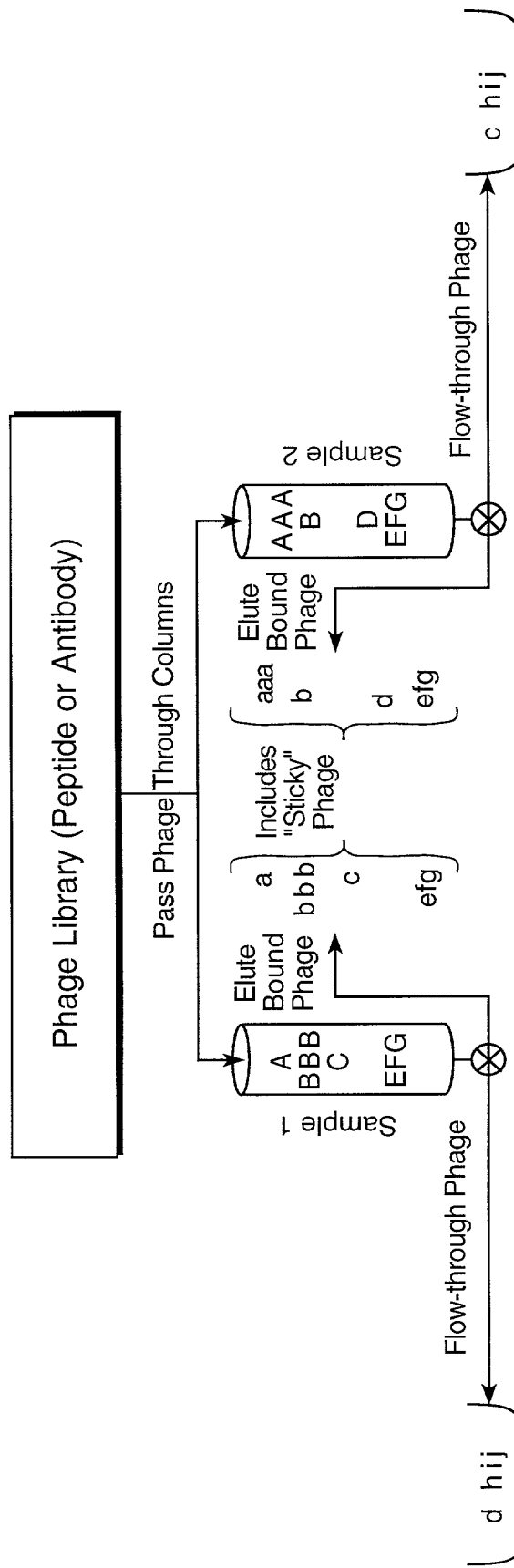


FIG. 3

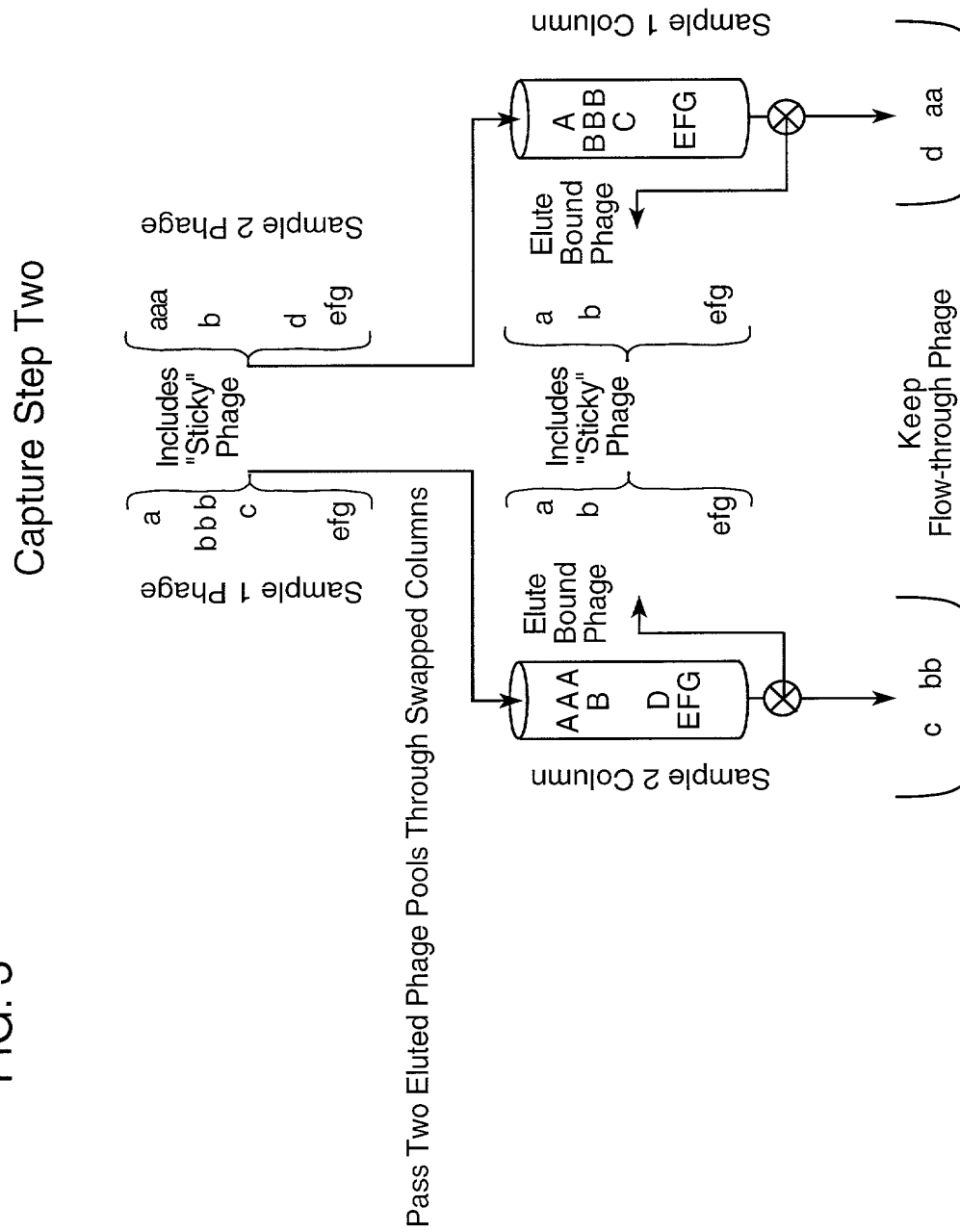


FIG. 4

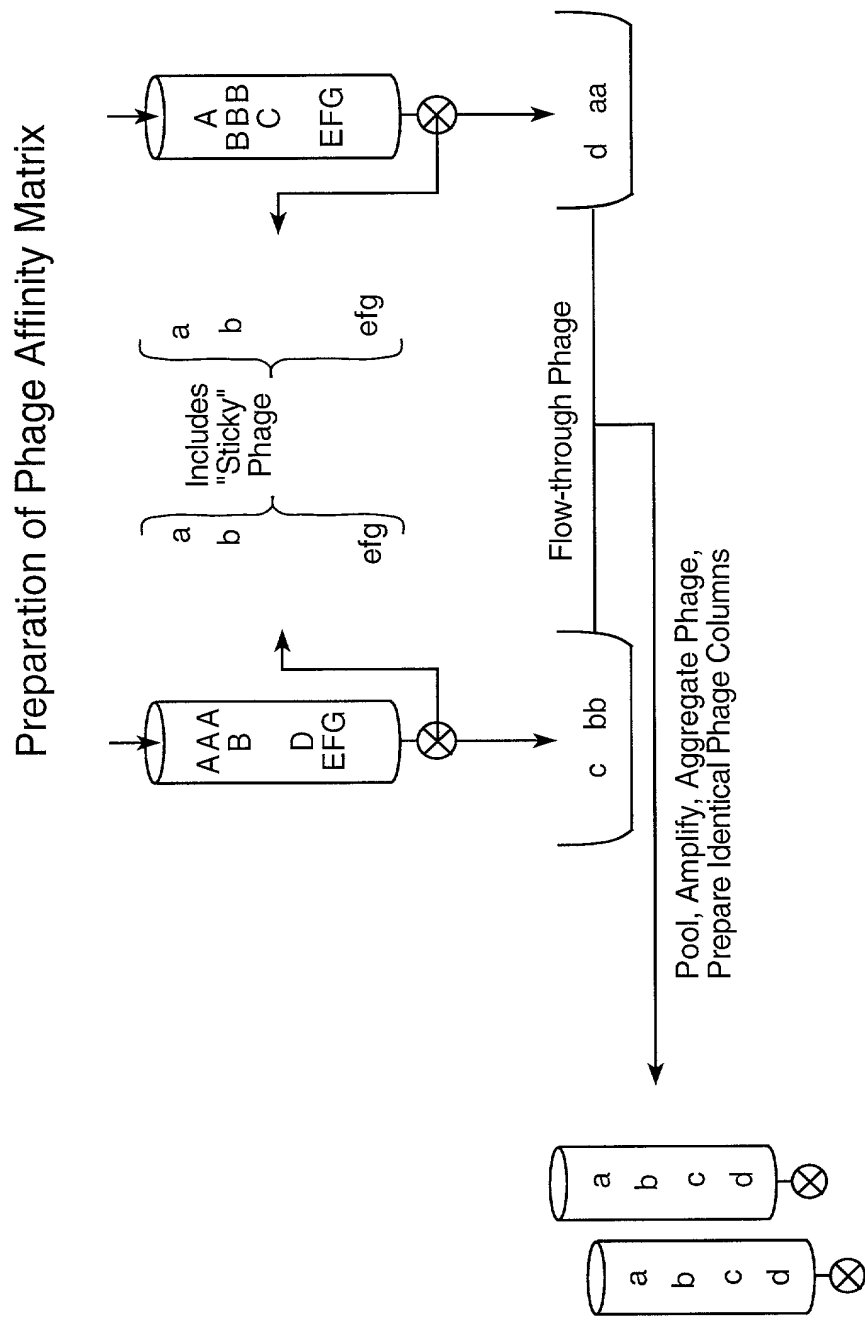


FIG. 5

Capture Step Three

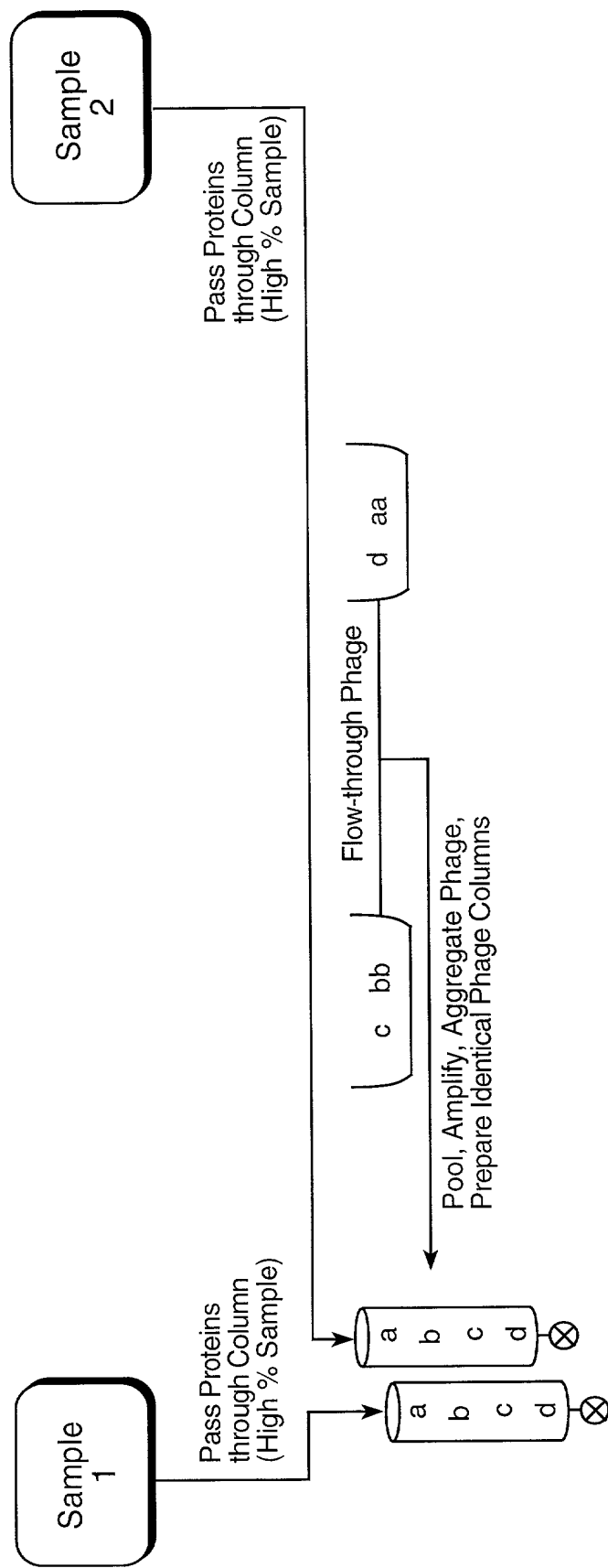


FIG. 6

Quantitation and Identification of Difference Proteins

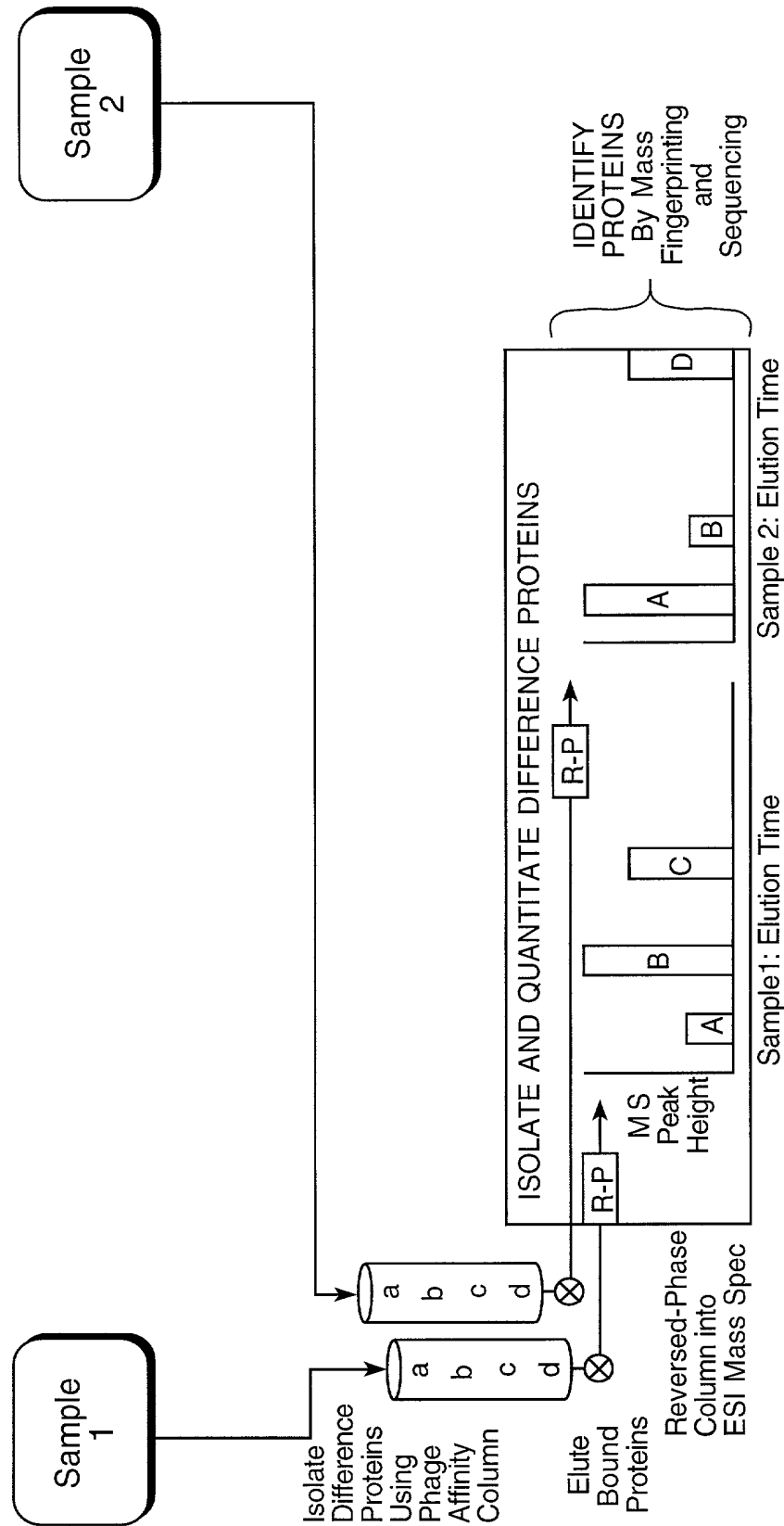


FIG. 7

Affinity Reagents Against Difference Proteins

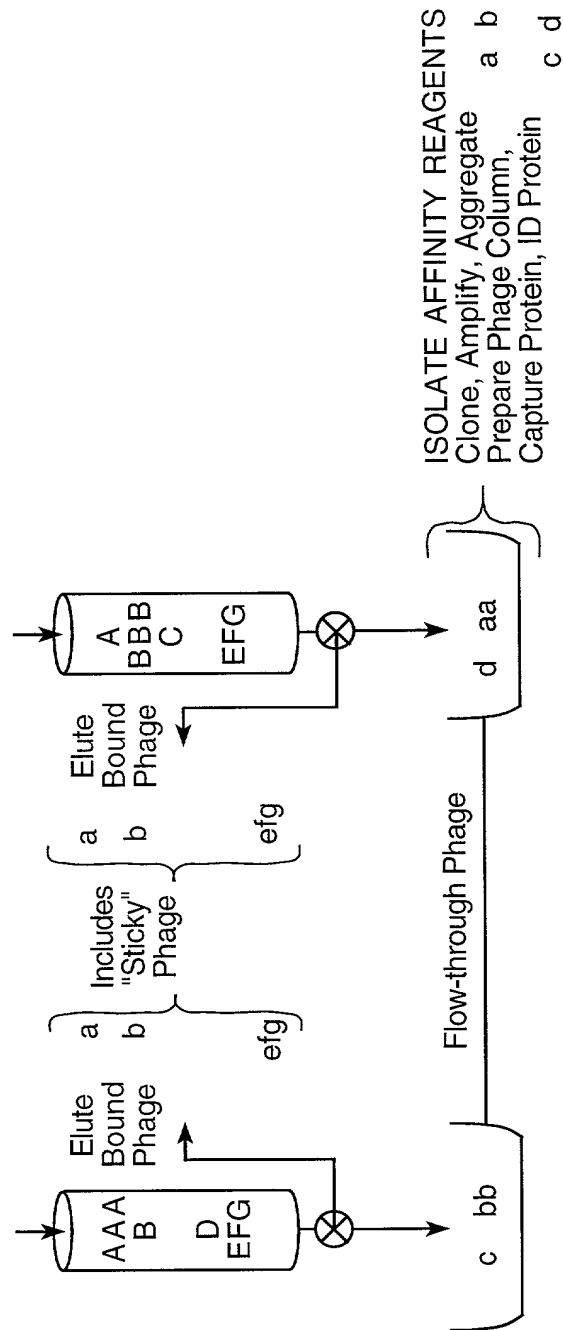


FIG. 8

Depletion of Most Abundant Proteins

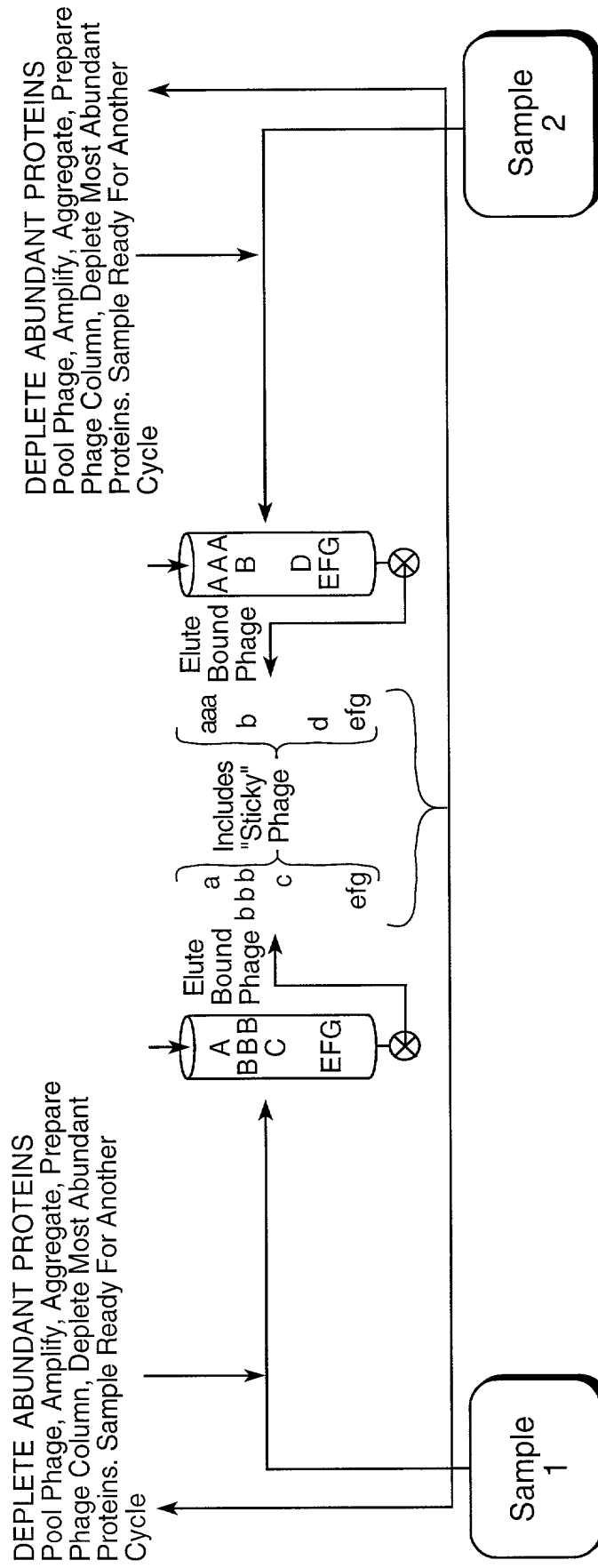
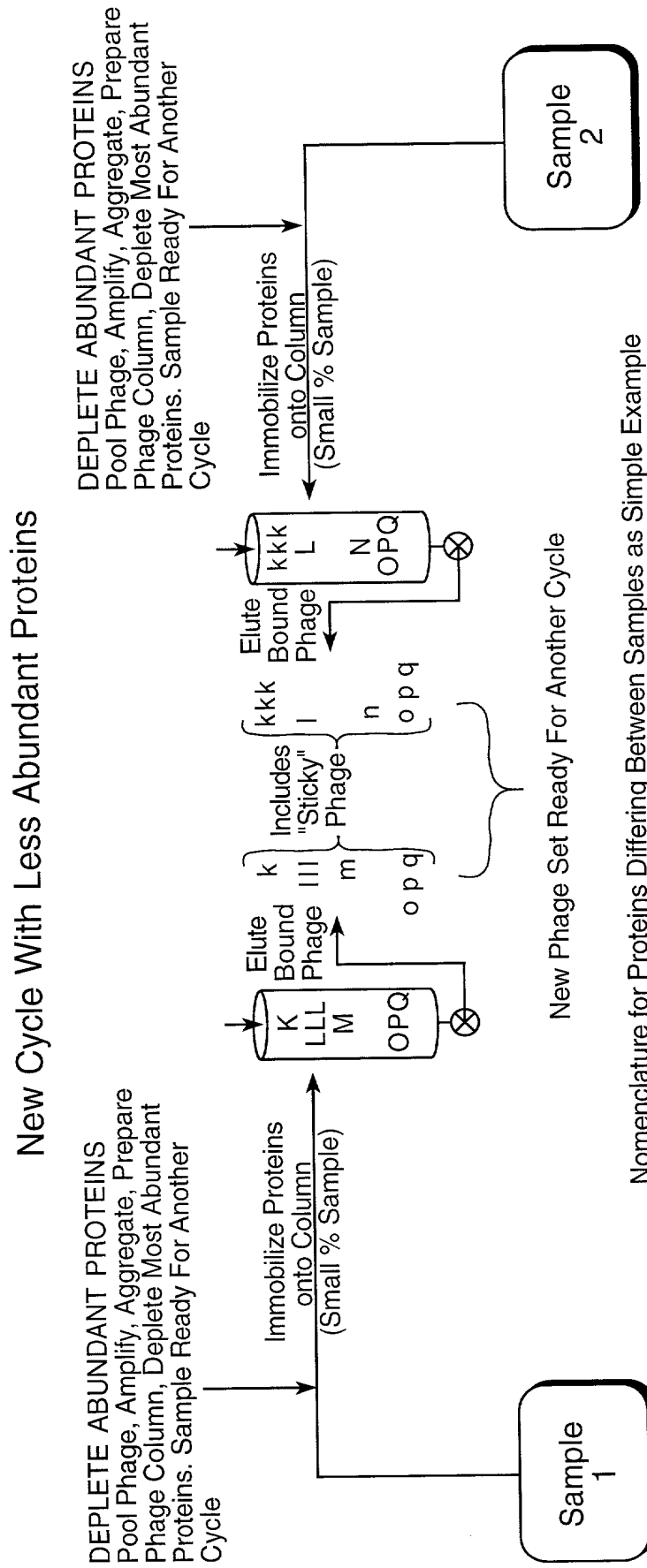


FIG. 9



Nomenclature for Proteins Differing Between Samples as Simple Example

Protein in Sample 2	Sample 1	Sample 2
Higher Level	K	K K K
Lower Level	L L L	L
Not Present	M	None
Novel Species	None	N
Same Level	O P Q	O P Q
Not Present in Either Sample	H I J Absent	H I J Absent

Upper Case Letter is Protein, eg "K"

Lower Case Letter is Phage which binds to corresponding protein, eg "K"

FIG. 10

Differential Phage Capture Proteomics Summary

